

CLAIMS

1.(amended) A false-twisting disk provided with a friction ring with rubber elasticity which is separately formed on the outer periphery of the disk body having an axis hole in the center thereof,

wherein a groove of which the opening width is narrower than the inner width is formed on the outer periphery of the disk body, and a projected line fitted in the groove by using the rubber elasticity of the friction ring is provided on the inner periphery of the friction ring, and

the projected line is fitted in the groove formed on the outer periphery of the disk body, thereby the friction ring can be mounted on the disk body, and only the friction ring can be replaced by removing the projected line of the friction ring from the groove formed on the outer periphery of the disk body.

2. The false-twisting disk as set forth in claim 1, wherein the groove formed on the outer periphery of the disk body is a dovetail groove.

3. The false-twisting disk as set forth in claim 1, wherein the groove formed on the outer periphery of the disk body is a recessed groove, and

one or a plurality of projections for preventing a friction

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ring from falling off is provided on the opening sides in the both side walls of the recessed groove, and the opening width of the groove is narrower than the inner width thereof.

4. The false-twisting disk as set forth in claim 3, wherein the projection for preventing a friction ring from falling off is formed approximately in a semicircular shape in a cross section or approximately in a triangular shape in a cross section.

5. The false-twisting disk as set forth in claim 1, wherein a groove formed on the outer periphery of the disk body is a recessed groove, and the opening width of the groove is narrower than the inner width by providing fitting projection parts facing each other on the opening sides of the both side walls of the recessed groove,

wherein step parts for preventing a friction ring from falling off are formed on the bottom part side of the recessed groove of the fitting projection parts, and a fitting head part which can advance into the recessed groove and is formed approximately in a cone shape in a cross section is provided on the end of a projected line provided on the inner periphery of the friction ring, and

the width of the projected line corresponds to the space between the fitting projection parts, the width of a foot of

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a mountain of the fitting head part is wider than the width of the projected line, and a fitting part which is fitted in the step part for preventing a friction ring from falling off of the recessed groove is formed on both ends of the foot of the mountain.

6. The false-twisting disk as set forth in any one of claims 1 to 5, wherein the durometer hardness of the friction ring is within the range of A80 to A95.

7. The false-twisting disk as set forth in any one of claims 1 to 6, wherein the friction ring is made of urethane rubber.

Article 34 and 4.